## Kalyani Kansal

Department of Mathematics Johns Hopkins University Baltimore, MD 21211

Education PhD in Mathematics 2016-2023 (expected)

> Johns Hopkins University Advisor: David Savitt

Bachelor of Medicine and Bachelor of Surgery 2007-2013

Email: kkansal2@jhu.edu

Government Medical College, Chandigarh, India

(Equivalent to MD degree in USA)

Past Post-doctoral fellow in Psychiatry 2013-2016

**Employment** Johns Hopkins University School of Medicine

Research Number theory, Arithmetic geometry Interests

Mathematical Codimension one intersections between components of a moduli stack of **Papers** 

two-dimensional Galois representations, in preparation.

Smoothness of components of the Emerton-Gee stack for  $GL_2$ , joint with

A. Guzman, I. Kountouridis, B. Savoie and X. Wang, preprint.

Conferences Community building in Langlands Program August, 2022

Attended Bonn, Germany

> Collaborative Research Workshop, July, 2022

Eugene, USA

Arizona Winter School, Automorphic forms beyond  $GL_n$ March, 2022

Tucson, USA

MSRI summer school, Toric Varieties August, 2019

Taipei, Taiwan

Serre conjectures and p-adic Langlands May, 2019

Padova, Italy

MSRI summer school, Derived Categories June, 2018

Berkeley, USA

Intro to Calculus, Fall 2021 Instructor: **Teaching** 

TA: Calculus I, II and III, Linear Algebra, Methods Experience

of Complex Analysis, Abstract Algebra (various,

2016-2022)